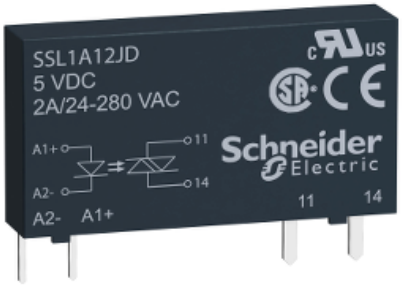
Product data sheet
Characteristics

SSL1A12BD
Harmony, Solid state slim relay, 2 A, zero voltage switching, input 15...30 V DC, output 24...280 V AC

Product availability : Stock - Normally stocked in distribution facility

Green Premium™

Price* : 14.60 USD



Main

Range of product	Harmony Solid State Relays
Product or component type	Solid state relay up to 10 A
Device short name	SSL
Phase	1 phase
Output switching mode	DC switching

Complementary

Mounting support	Socket
Line Rated Current	2 A
Output voltage	24...280 V AC
[Uc] control circuit voltage	15...30 V DC
Capacitance unbalance	1.5 pF input/output
Minimum switching voltage	15 V DC turn-on
Maximum switching voltage	10 V DC turn-off
Input current limits	6 mA
Input impedance	3500 Ohm
Solid state output type	Zero voltage switching SCR output
Load current	0.07…2 A
Tansient Overvoltage	600 V AC
Surge current	120 A 16.6 ms 115 A 20 ms
Maximum voltage drop	<1.1 V on-state
Maximum I²t for fusing	66 A².s for 10 ms at 50 Hz

* Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

	60 A².s for 8.3 ms at 60 Hz
Maximum leakage current	4 mA off-state
DV/Dt	500 V/µs off-state at maximum voltage
Response time	0.5 cycle (turn-on) 0.5 cycle (turn-off)
Overvoltage category	III
Width	0.20 in (5 mm)
Height	1.10 in (28 mm)
Depth	0.59 in (15 mm)
Net weight	0.01 lb(US) (0.0041 kg)

Environment

Flame retardance	V0 conforming to UL 94
Dielectric strength	2500 V for input/output
Pollution degree	2
Product certifications	UL CSA
Marking	CE
Ambient air temperature for operation	-4…176 °F (-20…80 °C)
Ambient air temperature for storage	-4…185 °F (-20…85 °C)

Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	03606480579721
Nbr. of units in pkg.	1
Package weight(Lbs)	0.18 oz (5 g)
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	0.28 in (0.7 cm)
Package 1 width	0.98 in (2.5 cm)
Package 1 Length	14.57 in (37 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Weight	2.15 oz (61 g)
Package 2 Height	0.28 in (0.7 cm)
Package 2 width	0.98 in (2.5 cm)
Package 2 Length	14.57 in (37 cm)
Unit Type of Package 3	S01
Number of Units in Package 3	1080
Package 3 Weight	12.53 lb(US) (5.684 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	5.91 in (15 cm)
Package 3 Length	15.75 in (40 cm)

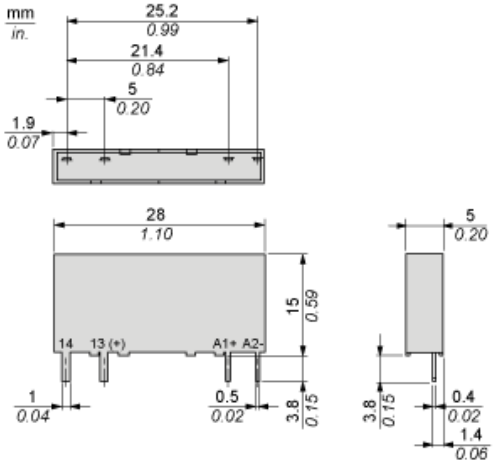
Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Dimensions Drawings

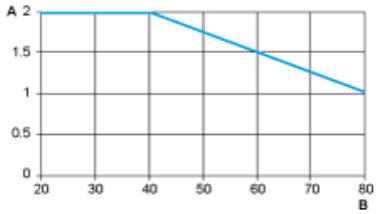
Dimensions



Life Is On Schneider Electric

SSL1A12BD

Derating Curves



A : Load Current (Amperes)
B : Ambient Temperature (°C)